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PHOTOGRAPHIC INTERPRETATION REPORT

PROBABLE SUBMARINE WEAPONS
STORAGE FACILITY,
SAYDA GUBA SUBMARINE BASE, USSR



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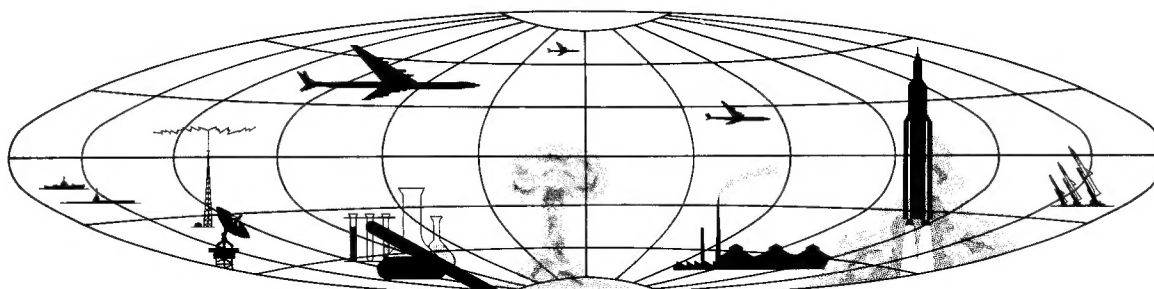
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PROBABLE SUBMARINE WEAPONS STORAGE FACILITY, SAYDA GUBA SUBMARINE BASE, USSR

SUMMARY

Although the Sayda Guba Submarine Base was constructed after World War II, the site for the base was visible on World War II captured German photography. [REDACTED] TALENT photography of this site indicated that the base was operational. Facilities included three piers and approximately 43 housing and support buildings,

some of which were under construction at the time. 1/ The [REDACTED] KEYHOLE photography of the base revealed the construction of four new piers, a probable submarine weapons storage and handling area, a possible explosives storage area, a possible fuel storage area, and approximately 58 new buildings.

INTRODUCTION

Sayda Guba Submarine Base, one of several submarine and surface ship bases on the Kolskiy Zaliv (Kola Inlet), is located 17 nautical miles (nm) north-northeast of Murmansk and 2.5 nm east-northeast of the town of Sayda Guba at 69-15N 33-21E (Figure 1). Built on rocky hills interspersed with bogs and lakes, the base occupies three sides of a small cove near the mouth of Guba Sayda (Sayda Bay) (Figure 2). Although it is now served by what are probably all-weather roads, primary means of access to the base is by water. There is no road connecting the base with the Polyarnyy Naval Base located 4 nm southeast of Sayda Guba. A road was built from the base to the Murmansk-Pechenga highway at some time between [REDACTED] but it is probably not suitable for the transportation of heavy or delicate cargoes.



FIGURE 1. GENERAL LOCATION MAP.

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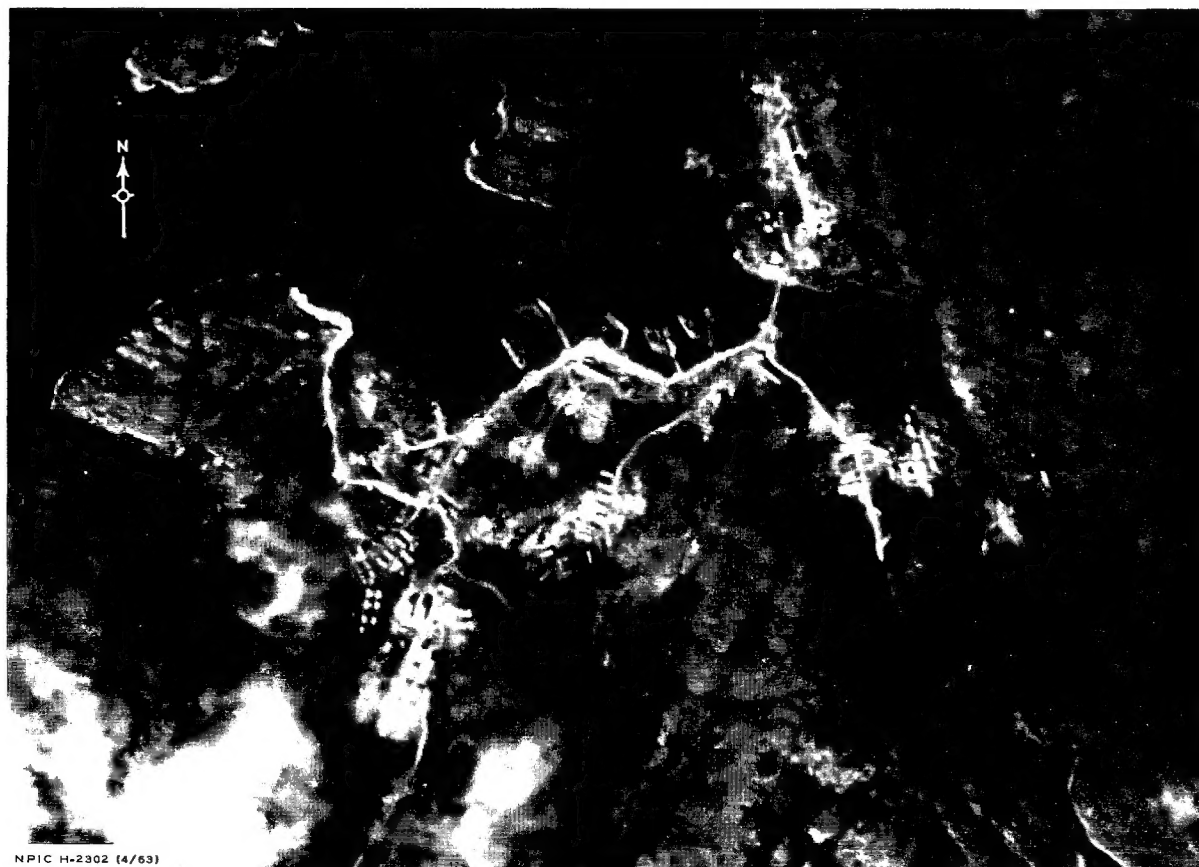


FIGURE 2. SAYDA GUBA SUBMARINE BASE 25X1D

LANDING FACILITIES

Landing facilities at the base include seven road-served piers, at least four of which are used by submarines (Figure 3 and Table I).

25X1D Piers A, B, and C were visible on [REDACTED] photography, and this photography also indicated

25X1D that Pier C had been replaced or modified. Piers D, E, F, and G have been built since

25X1D [REDACTED] The [REDACTED] photography revealed that two possible cranes, which could be used for loading missiles, torpedoes, or mines,

were located on Piers C and D and that 16 submarines were berthed at Piers B, C, D, and F. Submarines visible on this photography were of the long-range type, and some were equipped with cruise missiles and some with ballistic missiles. The US Naval Photographic Interpretation Center has published detailed reports on submarines and other shipping observed at Sayda Guba. 2/

PROBABLE SUBMARINE WEAPONS STORAGE AND HANDLING AREA

A probable submarine weapons storage and handling area is located in a valley at the

eastern edge of the base (Figure 3). The area is secured and covers approximately

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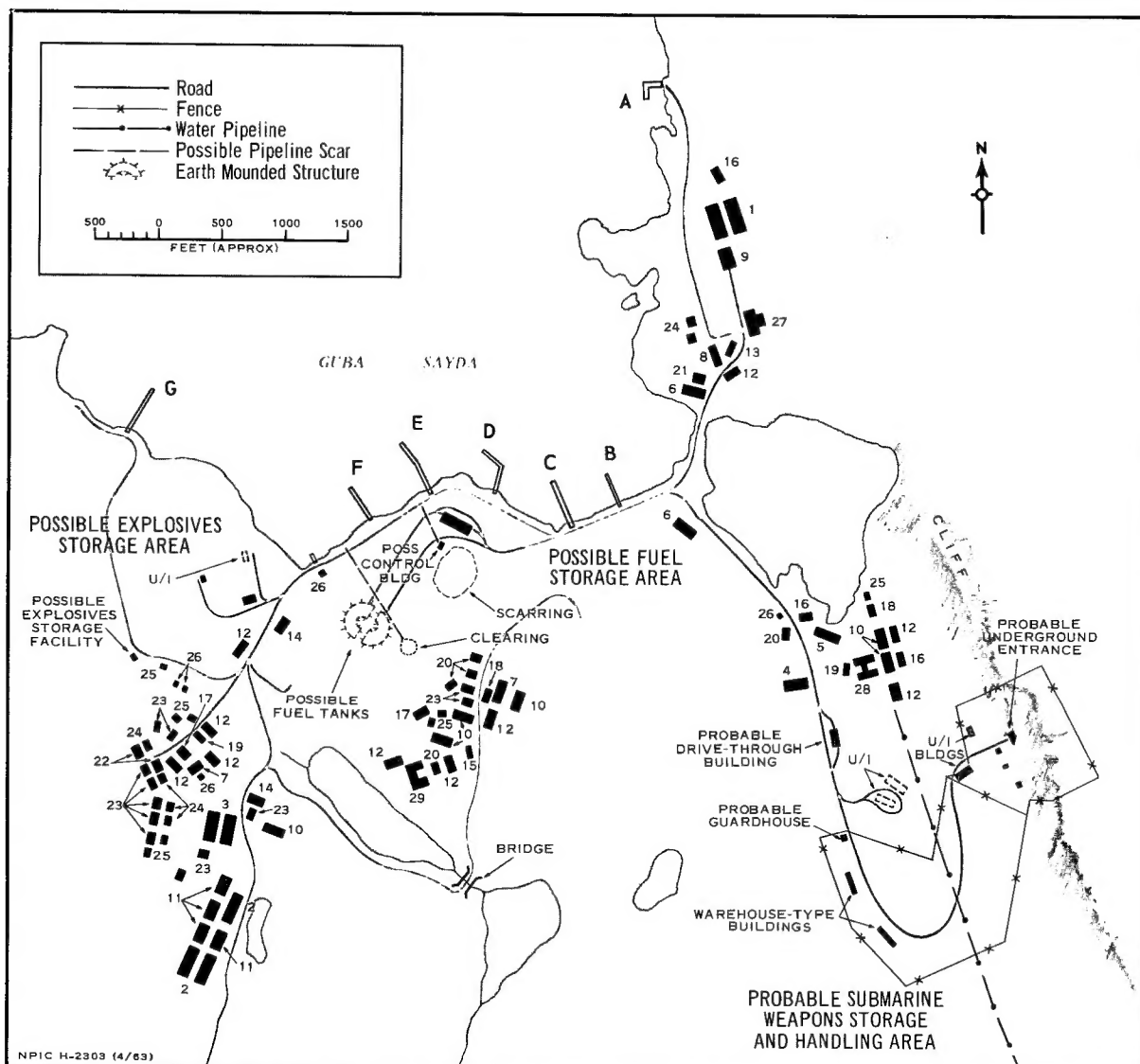


FIGURE 3. SAYDA GUBA SUBMARINE BASE. Facilities shown in red have been added since [redacted] Numbers indicate building sizes and are keyed to Table 2.

25X1D

Table 1. Landing Facilities (Keyed to Figure 3)

Item	Type of Pier	Dimensions (ft)	Item	Type of Pier	Dimensions (ft)
A	L-head head approach	130 x 35 150 x 35	D	Modified L-head head approach	250 x 60 150 x 50
B	Finger	350 x 20	E	Finger marine section approach	210 x 30 228 x 10
C	Finger marine section approach	260 x 70 135 x 50	F	Finger	280 x not measurable
			G	Finger	350 x 25

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five acres. It consists of two separately fenced sections which are served by the same road. The smaller of the two sections contains two unidentified buildings and three small structures which are located near the face of the cliff.

25X1B



Base.* The larger fenced section contains two

warehouse-type buildings situated on aprons or clearings near the access road. Both are one-story structures and are 200 by 30 feet. A small building at the entrance to this section is probably a guardhouse.

A probable drive-through building, which is at least 135 by 40 feet, and a loop road are located near the access road northwest of the submarine weapons storage area (Figure 3). The probable drive-through building, which may be higher than the other one-story structures on the base, is situated on an apron and connected to the access road by two short service roads. Two unidentified objects are visible off the loop road.

POSSIBLE EXPLOSIVES STORAGE AREA

A possible explosives storage area is located on the western shore of the cove between Piers F and G (Figure 3). The area contains a maintenance/storage-type building which is 155 by 55 feet and two service roads. A small building measuring 65 by 35 feet and an unidentified object are situated in leveled clearings at the ends of the roads. This area

could be used to store high explosives for military purposes or for construction work. The nature of the terrain suggests that the explosives may be stored for use in construction work. A building, which measures 65 by 35 feet and is located southwest of the Possible Explosives Storage Area on the access road to Pier G, could be used to store explosives.

POSSIBLE FUEL STORAGE AREA

A possible fuel storage area is located on a steep hillside above Piers D, E, and F (Figure 3). The area consists of a possible shop building measuring 250 by 80 feet, a small possible control building or pumphouse, ground scarring, a road, and a small circular clearing. The scarred ground in the southwest section of this area con-

*A detailed report on Soviet naval missile-handling facilities is being prepared for publication by NPIC under project JN-136/62.

tains two earth-mounded structures which are possible fuel tanks. A possible pipeline scar and a road extend from this section to the possible shop building. Possible pipeline scars also extend downhill from the circular clearing and from the possible control building to the road which parallels the shoreline. Although similar ground scarring is visible near the possible shop building, the scarred site does not contain any visible structures.

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Table 2. Sizes for Housing and Support Buildings (Keyed to Figure 3)

Annotation	Dimensions (ft)	No of Buildings	Annotation	Dimensions (ft)	No of Buildings
1 *	265 x 85	2	14	120 x 55	3
2 *	250 x 80	3	15	120 x 45	1
3 *	235 x 80	2	16	110 x 55	3
4	200 x 80	1	17	100 x 65	2
5	200 x 55	1	18	100 x 55	2
6	185 x 55	2	19	100 x 40	2
7	175 x 60	1	20	95 x 50	5
8	165 x 40	1	21	80 x 80	1
9	155 x 85	1	22	80 x 65	2
10	155 x 55	6	23	80 x 50	12
11 *	145 x 80	4	24	70 x 50	6
12	135 x 55	10	25	60 x 45	8
13	135 x 40	1	26	45 x 40	5

Miscellaneous buildings (identified by shape) measure as follows:

- 27 T-shaped, bar 175 by 80 feet, stem 65 by 80 feet.
- 28 H-shaped, center 175 by 40 feet, two wings each 150 by 40 feet.
- 29 U-shaped, center 190 by 45 feet, two wings each 80 by 45 feet.

*Indicates multistory buildings.

HOUSING AND SUPPORT FACILITIES

In [REDACTED] the base contained approximately 43 housing and support buildings, eleven of which were under construction. 1/ Approximately 100 buildings are visible on [REDACTED] photography. Eleven of these are two- or three-story structures while the others are one-story buildings. In general the multistory buildings are the largest. Table 2 lists building dimensions.

Support facilities at Sayda Guba are limited. The base has few warehouses or shops and no open storage areas. Only 11 buildings with an

estimated 90,000 square feet of space could be used for logistic and maintenance purposes. Eighty-one buildings with an estimated 770,000 square feet of space are probably barracks and administration buildings containing only incidental shop or storage space. Some maintenance and/or logistic support is provided by two submarine tenders berthed at Piers B and F. This limited capability may indicate that the base is dependent upon Polyarnyy Naval Base for logistical support.


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REFERENCES

PHOTOGRAPHY

25X1D

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
					

MAPS OR CHARTS

NHO. US Target Mosaic, Series 25, Sheet 0051-0078-25M, 1st ed, Dec 54, scale 1:25,000 (CONFIDENTIAL)

ACIC. US Air Target Chart, Series 200, Sheet 0051-18AL, 2d ed, Apr 60, scale 1:200,000 (SECRET)

DOCUMENTS

1. US Navy PIC. NT-P000511, Sayda Guba Submarine Base, Apr 58 (TOP SECRET CHES)
2. US Navy PIC. NTK-PD 00030, Submarine Sightings at Sayda Guba, Polyarnyy, Olenya Guba, and Litsa Bay, USSR, Oct 62 (TOP SECRET CHES RUFF)
3. US Navy PIC. NT-PD 0002, Kola Inlet, Measurements of Submarines and Other Shipping, Jun 58 (TOP SECRET CHES)

REQUIREMENT

CIA. OSI/R-180/62-KH

NPIC PROJECT

JN-205/62

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